

FORM PTO-1449

U.S. Department of Commerce Patent and
Trademark Office

Docket No.:

SCRIP1210-4

Application No.:

09/836,148

#4

Applicants: Cravatt et al.

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT BY APPLICANTFiling Date:
April 16, 2001Group Art
1645

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U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N (YES/NO)
MC6	AA WO 00/11208	03/02/2000	PCT	—	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

MC6	Ab	Albeck et al., "Mechanism of Cysteine Protease Inactivation by Peptidyl Epoxides," <i>Biochem. J.</i> , vol. 322, no. 3, 1997, pages 879-884.
	AC	Kam et al., "Biotinylated Isocoumarins, New Inhibitors and Reagents for Detection, Localization, and Isolation of Serine Proteases," <i>Bioconjugate Chemistry</i> , vol. 4, no. 6, 1993, pages 560-567.
MC6	AD	Tenorio et al., "An Immunohistochemical Investigation of the Expression of Parathyroid Hormone Receptors in Rat Cementoblasts," <i>Archives of Oral Biology</i> , vol. 41, no. 3, 1996, pages 299-305.

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Form 1449

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Docket No.: SCRIP1210-4	Application No.: 09/836,148 <i>#6</i>
Applicants: Cravatt et al.			
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<i>M06</i>	AA	Liu, Yongsheng et al., "Activity-Based Protein Profiling: The Serine Hydrolases," <i>Proceedings of the National Academy of Sciences of USA</i> , Vol. 96, No. 26, December 21, 1999, pgs. 14694-14699.

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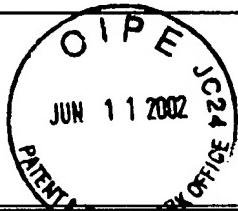
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Applicants: Cravatt et al.

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MC6	AA	WO 00/00823	01/06/2000	PCT	—	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

MC6	AB	Bogyo, Matthew et al., "Covalent Modification of the Active Site Threonine of Proteasomal β Subunits and the <i>Escherichia Coli</i> Homolog HsIV By a New Class of Inhibitors," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 94, June 1997, pages 6629-6634.
MC6	AC	Gygi, Steven P. et al., "Quantitative Analysis of Complex Protein Mixtures Using Isotope-Coded Affinity Tags," <i>Nature Biotechnology</i> , Vol. 17, October 1999, pgs. 994-999.

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Docket No. SCRIP1210-1 Applicant(s): Benjamin F. Cravatt, et al.	Serial No.: 09/738,271 Filing Date: December 15, 2000
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Group Art Unit: Unassigned	Examiner Name: Unassigned

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U.S. PATENT DOCUMENTS

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EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
M06	AA 4,433,051	02/21/84	Gilad et al.			
	AB 5,721,099	02/24/98	Still et al.			
	AC 5,789,172	08/04/98	Still et al.			
	AD 6,001,579	12/14/99	Still et al.			
	AE 60/212,891	04/10/00	Cravatt et al.			
	AF 60/195,954	06/20/00	Cravatt			
	AG 6,114,114	09/05/00	Seilhamer et al.			
	AH 6,132,969	10/17/00	Stoughton et al.			
	AI 6,277,583 B1	08/21/01	Krantz et al.			
M06	AJ 6,403,324 B1	06/11/02	Krantz et al.			

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M06	AK WO 00/11208	02.03.00	PCT			
M06	AL WO 00/00823	06.01.00	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

M06	AM	Bei et al., "Generation, Purification, and Characterization of Recombinant Source of Human Prostate-Specific Antigen," J. Clin. Lab. Anal., Vol. 9, pp 261-268 (1995)
M06	AN	Burbaum et al., "A Paradigm for Drug Discovery Employing Encoded Combinatorial Libraries," Proc. Natl. Acad. Sci. USA, Pharmacology, Vol. 92, pp 6027-6031 (1995)
M06	AO	Carlsen et al., "A Greatly Improved Procedure for Ruthenium Tetraoxide Catalyzed Oxidations of Organic Compounds," J. Org. Chem., Vol. 46, No. 19, pp 3936-38 (1981)

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		Group Art Unit: Unassigned	Examiner Name: Unassigned

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<i>O I P E MCS</i> <i>NOV 25 2002</i> <i>PATENT & TRADEMARK OFFICE</i>	AP	Chaurand et al., "Peptide and Protein Identification by Matrix Assisted Laser Desorption Ionization (MALDI) and (MALDI-Post-Source Decay Time-of-Flight Mass Spectrometry," J. Am. Soc. Mass. Spectrom., Vol. 10, pp 91-103 (1999)	
	C22	Cravatt et al., "Molecular Characterization of an Enzyme that Degrades Neuromodulatory Fatty-Acid Amides," Nature, Vol. 384, pp 83-87 (1996)	
	AR	Deutsch et al., "Methyl Arachidonyl Fluorophosphonate: A Potent Irreversible Inhibitor of Anandamide Amidase," Biochem. Pharmacol., Vol. 53, pp 255-260 (1997)	
	AS	Dominici et al., "Affinity labeling of Pig Kidney 3,4-Dihydroxyphenylalanine (Dopa)Decarboxylase with N-(bromacetyl)pyridoxamine 5'-Phosphate," Eur. J. Biochem., Vol 201, pp 393-397 (1991)	
	AT	DeClerck et al., "Proteases and Protease Inhibitors in Tumor Progression," Adv. Exp. Med. Biol., Vol. 425, pp 89-97 (1997)	
	AU	Eisen et al., "Cluster Analysis and Display of Genome-wide Expression Patterns," Proc. Natl. Acad. Sci. USA, Genetics, Vol. 95, pp 14863-14868 (1998)	
	AV	Giang and Cravatt, "Molecular Characterization of Human and Mouse Fatty Acid Amide Hydrolases," Proc. Natl. Acad. Sci. USA, Biochemistry, Vol. 94, pp 2238-2242 (1997)	
	AW	Glynn et al., "Synthesis and Characterization of a Biotinylated Organophosphorus Ester for Detection and Affinity Purification of a Brain Serine Esterase: Neuropathy Target Esterase," Biochem. Jr., Vol. 301, pp. 551-556 (1994)	
<i>MCS</i>	AX	Ishikawa et al., "Prediction of the Coding Sequences of Unidentified Human Genes, VIII. 78 New cDNA Clones from Brain Which Code for Large Proteins in vitro" DNA Research, Vol. 4 (5), pp. 307-313 (1997)	
	AY	Kam et al., "Biotinylated Iso coumarins, New Inhibitors and Reagents for Detection, Localization, and Isolation of Serine Proteases", Bioconjugate Chem.-Amer. Chem. Society, Vol. 4 (6), pp. 560-567 (1993) Duplicate of PTO-1449 Paper #4	
<i>MCS</i>	AZ	Gregory J. Kato, Human Genetic Diseases of Proteolysis", Hum. Mutat., Vol. 13, pp 87-98. (1999)	
<i>MCS</i>	BA	Karr et al., "The Presence of Prostate-Specific Antigen-related genes in Primates and the Expression of Recombinant Human Prostate-Specific Antigen in a Transfected Murine Cell Line," Cancer Res., Vol. 55, pp. 2455-2462 (1995)	
<i>MCS</i>	BB	Keshavarz-Shokri et al., "Identification of Serine Esterases in Tissue Homogenates," Anal. Bioche., Vol. 267, pp. 406-411 (1999)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Group Art Unit: Unassigned	Examiner Name: Unassigned

#8

<i>MC</i> <i>NOV 25 2002</i> <i>PATENT & TRADEMARK OFFICE</i>	BC	Kobayashi et al., "Cloning and Sequence Analysis of a Rat Liver cDNA Encoding Acyl-peptide Hydrolase," J. Biol. Chem., Vol. 264 (15), pp. 8892-8899 (1989)
	BD	Liu et al., "Activity-based protein profiling: The serine hydrolases," PNAS, Vol. 96, No. 26, pp. 14694-14699 (1999) Duplicate of PTO-1449 Paper # 6
	BE	MacDonald et al., "Disparate Tissue-specific Expression of Members of the Tissue Kallikrein Multigene Family of Rat," J. Biol. Chem., Vol. 271 (23), pp. 13684-90 (1996)
	BF	Mueller et al., "Investigation of the ATP Biding Site of <i>Escherichia coli</i> Aminoimidazole Ribonucleotide Synthetase Using Affinity Labeling and Site-Directed Mutagenesis," Biochemistry, Vol. 38 (31), pp. 9831-9839 (1999)
	BG	Monsees et al., "Protease-Protease Inhibitor Interactions in Sertoli Cell-Germ Cell Crosstalk", Adv. Exp. Med. Biol., Vol. 424, pp. 111-123 (1997)
	BH	Ohlmeyer et al., "Complex Synthetic Chemical Libraries Indexed with Molecular Tags", Proc. Natl. Acad. Sci. USA, Chemistry, Vol. 90, pp. 10922-10926 (1993)
	BI	Patricelli et al., "Comparative Characterization of a Wild Type and Transmembrane Domain-Deleted Fatty Acid Amide Hydrolase: Identification of the Transmembrane Domain as a Site for Oligomerization," Biochemistry, Vol. 37 (43), pp 15177-15187 (1998)
	BJ	Patricelli et al., "Chemical and Mutagenic Investigations of Fatty Acid Amide Hydrolase: Evidence for Family of Serine Hydrolases with Distinct Catalytic Properties," Biochemistry, Vol. 38 (31), pp 9804-9812 (1999)
	BK	Penzes, et al., "Enzymatic Characteristics of Retinal Dehydrogenase Type I Expressed in <i>Escherichia Coli</i> ," Biochem. Biophys. Acta, Vol. 1342, pp 175-181 (1997)
	BL	Polascik, T., "Prostate Specific Antigen: A Decade of Discovery – What We Have Learned and Where We Are Going," The J. of Urology, 162:293-306 (1999)
	BM	Molecular Cloning: A Laboratory Manual, 3rd Edition, Cold Spring Harbor Press, Cold Spring Harbor, NY(2001) Table of Contents
	BN	Scaloni et al., "Acylpeptide Hydrolase: Inhibitors and Some Active Site Residues of the Human Enzyme," J. Biol. Chem., Vol. 267 (6), pp 3811-3818 (1992)
	BO	Schriemer et al., "MALDI Mass Spectrometry Combined with AvidinBiotin Chemistry for Analysis of Protein Modifications," Anal. Chem. 70., pp 1569-1575 (1998)
<i>MC</i>	BP	Vosburg, et al., "A Concise Synthesis of Fumagillol," Angew. Chem. Int. Ed., 38(7), 971-974 (1999)

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<i>O P E</i> <i>MCG</i> <i>NOV 25 2002</i> <i>PATENT & TRADEMARK OFFICE</i>	BQ	Wang et al., "Cloning of cDNA Encoding an Aldehyde Dehydrogenase and Its Expression in <i>Escherichia Coli</i> ," J. Biol. Chem., Vol. 271, No. 27, pp 16288-16293 (1996)
	BR	Winkler et al., "Characterization, Application and Potential Uses of Biotin-Tagged Inhibitors for Lymphocyte Serine Proteases (Granzymes)," Mol. Immunol., Vol. 33, No. 7-8: 615-623 (1996)
	BS	Ward et al., "Covalent Modification of Protein Kinase C Isozymes by the Inactivating Peptide Substrate Analog N-Biotinyl-Arg-Arg-Cys-Leu-Arg-Arg-Leu," J. Biol. Chem., Vol. 271, No. 39, pp 24193-24000 (1996)
	BT	Yoshimoto et al., "Protease II from <i>Moraxella lacunata</i> : Cloning, Sequencing, and Expression of the Enzyme Gene, and Crystallization of the Expressed Enzyme," J. Biochem., Vol. 117, pp 654-660 (1995)
<i>MOG</i>	BU	Yoshida et al., "Human Aldehyde Dehydrogenase Gene Family," Eur. J. Biochem., Vol. 251, pp. 549-557 (1998)

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